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|------------|------|---|---|---------------------|---------|------------------|
| Ref<br>#   | Hits | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp       |
| S1         | 6    | Kanai.in. and Numata.in. and Yamamoto.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/09/07 08:01 |
| S2         | 15   | Kanai.in. and Numata.in.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/09/07 07:50 |
| <b>S</b> 3 | 153  | Numata.in. and Yamamoto.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/09/07 07:57 |
| S4         | 246  | Kanai.in. and Yamamoto.in.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/09/07 08:02 |
| S5         | 9    | (cathode same gas same hydrogen) and agitating and 429/13,29,34,22.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/09/07 08:26 |
| S6         | 4    | (cathode same gas same exhaust same hydrogen) and agitating and "429".clas.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR .                | ON      | 2006/10/30 12:47 |
| S7         | 7    | (cathode same gas same purge\$1 same hydrogen) and agitat\$4 and "429".clas.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/09/07 08:45 |
| S8         | 1    | (cathode same gas same mix\$3 same purge\$1 same hydrogen) and agitat\$4 and "429".clas.                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/10/30 12:45 |
| S9         | 1    | (cathode same gas same combine\$3 same purge\$1 same hydrogen) and agitat\$4 and "429".clas.                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/09/07 08:46 |
| S10        | . 1  | (cathode same gas same chamber\$3 same purge\$1 same hydrogen) and agitat\$4 and "429".clas.                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/10/20 15:03 |
| S11        | 2    | (cathode same gas same reservoir\$3 same purge\$1 same hydrogen) and agitat\$4 and "429".clas.                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/10/30 08:05 |
| S12        | 3    | (cathode same gas same reservoir\$3 same purge\$1 same hydrogen) and agitat\$4 and (fuel adj cell)                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/09/13 09:00 |
| S13        | 0    | (cathode same gas same reservoir\$3 same purge\$1 same hydrogen) and ((fuel adj cell) same exhaust same gas same treatment) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/10/30 11:40 |

| S14  | 3   | (cathode same gas same purge\$1 same<br>hydrogen) and ((fuel adj cell) same exhaust<br>same gas same treatment) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/10/30 10:32 |
|------|-----|---|---|------|-----|------------------|
| S15  | 50  | (cathode same gas same hydrogen) and ((fuel<br>adj cell) same exhaust same gas same<br>treatment)               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/10/30 12:46 |
| S16  | 1   | 2004-500002.NRAN.   | DERWENT                                     | OR   | OFF | 2006/09/07 10:08 |
| S17  | 18  | (cathode same gas same hydrogen same discharg\$3) and ((fuel adj cell) same exhaust same gas same treatment)    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/09/07 10:22 |
| S19  | 60  | ((fuel adj cell) same exhaust same gas same treatment) and (cathode same exhaust)                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/09/13 09:00 |
| S20  | 5   | (("6187465") or ("5079103") or ("5247791") or ("5956937") or ("5724805")) PN.                                   | USPAT;<br>USOCR                             | OR   | OFF | 2006/09/07 11:48 |
| S21  | 36  | ((fuel adj cell) same cathode same exhaust same gas same treatment)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/09/07 14:46 |
| S22  | 9   | (fuel adj cell) same (exhaust same gas same treatment) and (cathode same exhaust same dilut\$5)                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/09/13 09:01 |
| S23  | 7   | Numata.in. and nozaki.in. and Matsutani.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/10/20 15:04 |
| S24. | 1   | 2006-106838.NRAN.   | DERWENT                                     | OR   | OFF | 2006/10/20 15:10 |
| S25  | 0   | 2006/144349   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/10/20 15:10 |
| S26  | 0   | 2006/0144349  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR . | ON  | 2006/10/20 15:10 |
| S27  | 3   | "20060144349"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/10/20 15:10 |
| S28  | 213 | ((fuel adj cell) same exhaust same gas same treatment)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/10/30 12:49 |
| S29  | 1   | 10/678820   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/10/20 15:32 |

| S30 | 1078 | 429/22.CCLs.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/20 15:32 |
|-----|------|---|---|----|----|------------------|
| S31 | 75   | 429/22.CCLs. and (process same exhaust same gas)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/25 16:44 |
| S32 | 145  | 429/22.CCLs. and (process\$3 same exhaust same gas)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/20 15:33 |
| S33 | 32   | 429/22.CCLs. and (process\$3 same exhaust same gas) and reservoir   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/20 15:33 |
| S34 | 316  | 429/22,224,13,34.CCLs. and (process same exhaust same gas)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/25 16:46 |
| S35 | 173  | 429/22,224,13,34.CCLs. and (process same exhaust same gas) and (cathode with exhaust)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/25 16:46 |
| S36 | 1    | 429/22,224,13,34.CCLs. and (process same exhaust same gas) and (cathode with exhaust) and agitat\$4                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/25 16:47 |
| S37 | 33   | 429/22,224,13,34.CCLs. and (process same exhaust same gas) and (cathode with exhaust) and (purg\$3 with hydrogen)               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/25 16:47 |
| S38 | 9    | 429/22,224,13,34.CCLs. and (process same exhaust same gas) and (cathode with exhaust) and (purg\$3 with hydrogen) and reservoir | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/25 16:50 |
| S39 | 5    | 429/22,224,13,34.CCLs. and (process same exhaust same gas) and (cathode with exhaust with purg\$3 with hydrogen) and reservoir  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/25 17:25 |
| S40 | 5    | "429".CLas. and (process same exhaust same gas) and (cathode with exhaust with purg\$3 with hydrogen) and reservoir             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/25 17:26 |
| S41 |      | "429".CLas. and (fuel same diluter same hydrogen) and (cathode with exhaust with purg\$3 with hydrogen)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/25 17:47 |
| S42 | 0    | "429".CLas. and (dilut\$4 same hydrogen) and (cathode with effluent with purg\$3 with hydrogen)                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/25 17:48 |

| S43 | 16 | "429".CLas. and (dilut\$4 same hydrogen) and (cathode same effluent same hydrogen)                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/10/25 17:52 |
|-----|----|--|---|------|-----|------------------|
| S44 | 79 | "429".CLas. and (cathode same gas same purg\$4 same hydrogen same mix\$4)                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/10/25 17:53 |
| S45 | 27 | "429".CLas. and (cathode same gas same purg\$4 same hydrogen same mix\$4) and branch               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/10/26 07:04 |
| S46 | 3  | "429".CLas. and (cathode same gas same purg\$4 same hydrogen same mix\$4) and (branch same pip\$3) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/10/25 17:54 |
| S47 | 27 | (cathode same gas same purg\$4 same hydrogen same mix\$4) and branch                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/10/26 07:05 |
| S48 | 2  | "20020094469"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/10/26 07:35 |
| S49 | 6  | "6426158"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/10/26 07:35 |
| S50 | 4  | ("5462815"   "5763113"   "6103410"  <br>"6127056").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                | OR   | OFF | 2006/10/26 07:37 |
| S51 | 4  | ("6426158").URPN.  | USPAT                                       | OR   | OFF | 2006/10/26 09:17 |
| S52 | 16 | (oxygen same off same gas same hydrogen same mix) and (fuel with cell)                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/10/26 09:19 |
| S53 | 1  | "6916563"  | USPAT                                       | OR   | ON  | 2006/10/28 18:08 |
| S54 | 0  | 2004/0013919   | US-PGPUB;<br>USPAT                          | OR   | ON  | 2006/10/28 18:10 |
| S55 | 1  | "20040013919"  | US-PGPUB;<br>USPAT                          | OR   | ON  | 2006/10/28 18:10 |
| S56 | 8  | "6255011"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/10/30 07:21 |
| S58 | 2  | "2000357530" <u>.</u>  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR . | ON  | 2006/10/30 07:22 |
| S59 | 2  | "20040013919"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON  | 2006/10/30 07:55 |

| S60 | 29 | (cathode same gas same recircul\$5) and (dilut\$5 same hydrogen) and "429".clas.              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 12:43 |
|-----|----|---|---|------|----|------------------|
| S61 | 2  | (cathode same gas same recircul\$5 same pip\$3) and (dilut\$5 same hydrogen) and "429".clas.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 08:07 |
| S62 | 42 | (cathode same exhaust same gas same recircul\$5) and dilut\$5 and "429".clas.                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR . | ON | 2006/10/30 09:08 |
| S63 | 9  | (cathode with exhaust with gas with recircul\$5) and dilut\$5 and "429".clas.                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 09:59 |
| S64 | 1  | ((cathode with exhaust with gas with recircul\$5) same pip\$3) and dilut\$5 and "429".clas.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 09:17 |
| S65 | 1  | (cathode with exhaust with gas with recircul\$5) and (hydrogen with dilut\$5) and "429".clas. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 10:00 |
| S66 | 1  | (cathode with exhaust with gas with recircul\$5) and (hydrogen with dilut\$5)                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 10:00 |
| S67 | 7  | (cathode with exhaust with recircul\$5) and (hydrogen with dilut\$5)                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR . | ON | 2006/10/30 12:12 |
| S68 | 2  | (cathode with recircul\$5) and (purge\$3 with hydrogen with dilut\$5)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 10:08 |
| S69 | 0  | "10621848"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 10:08 |
| S70 | .1 | "10/621848"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 10:08 |
| S71 | 2  | (cathode same gas same purge\$1 same hydrogen same inlet same position) and (fuel adj cell)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 10:36 |
| S72 | 87 | (cathode same gas same inlet same position) and (fuel adj cell)                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 13:10 |

| S73 | 12  | (cathode same exhaust same gas same inlet same position) and (fuel adj cell)      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR              | ON | 2006/10/30 10:36 |
|-----|-----|---|---|-----------------|----|------------------|
| S74 | 2   | ((cathode with feed same branch) same hydrogen) and (fuel adj cell)               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR              | ON | 2006/10/30 11:55 |
| S75 | 13  | ((cathode with supply same branch) same hydrogen) and (fuel adj cell)             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR <sub>.</sub> | ON | 2006/10/30 11:58 |
| S76 | 96  | ((cathode with split ) same hydrogen) and (fuel adj cell)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR              | ON | 2006/10/30 12:06 |
| S77 | 34  | ((air with split) same hydrogen) and (fuel adj<br>cell)                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR              | ON | 2006/10/30 12:48 |
| S78 | 5   | ((oxidant with split) same hydrogen) and (fuel adj cell)                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR              | ON | 2006/10/30 12:11 |
| 580 | 1   | (cathode with exhaust with pressure with decreas\$3) and (hydrogen with dilut\$5) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR              | ON | 2006/10/30 12:15 |
| S81 | 2   | (cathode with exhaust with pressure with lower\$3) and (hydrogen with dilut\$5)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR              | ON | 2006/10/30 12:15 |
| 582 | 0   | (cathode with off\$1gas with pressure with lower\$3) and (hydrogen with dilut\$5) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR              | ON | 2006/10/30 12:16 |
| S83 | 0   | (cathode with offgas with pressure with lower\$3) and (hydrogen with dilut\$5)    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR              | ON | 2006/10/30 12:16 |
| S84 | 0   | (cathode with off-gas with pressure with lower\$3) and (hydrogen with dilut\$5)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR              | ON | 2006/10/30 12:16 |
| S85 | . 0 | (cathode with effluent with pressure with lower\$3) and (hydrogen with dilut\$5)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR              | ON | 2006/10/30 12:16 |
| S86 | 0   | (cathode with excretory with pressure with lower\$3) and (hydrogen with dilut\$5) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR              | ON | 2006/10/30 12:17 |

| S87 | 11         | (cathode with discharge with pressure with lower\$3) and (hydrogen with dilut\$5)                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 12:19 |
|-----|------------|---|---|----|----|------------------|
| S88 | 0          | (cathode with discharge with split\$3) and (hydrogen with dilut\$5)                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 12:19 |
| S89 | 2          | (cathode with discharge with branch\$3) and (hydrogen with dilut\$5)                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 12:22 |
| S90 | , <b>2</b> | (cathode with discharge with adjust\$5 with valve) and (hydrogen with dilut\$5)                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 12:45 |
| S91 | 4          | (cathode with exhaust with adjust\$5 with valve) and (hydrogen with dilut\$5)                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 12:23 |
| S92 | 37         | (cathode with exhaust with adjust\$5 with valve)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 12:47 |
| S93 | 6          | (hydrogen with concentration with detector) and (adjust\$5 with valve) and (hydrogen with dilut\$4) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 12:31 |
| S94 | 41         | (hydrogen with concentration with detector) and (adjust\$5 with valve)                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 16:52 |
| S95 | 2          | ((cathode same gas same recircul\$5) and (dilut\$5 same hydrogen)).clm.                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 12:44 |
| S96 | · 0        | ((cathode with discharge with adjust\$5 with valve) and (hydrogen with dilut\$5)).clm.              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 12:45 |
| S97 | 1          | ((cathode same gas same mix\$3 same purge\$1 same hydrogen) and agitat\$4).clm.                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 13:12 |
| 598 | 0          | ((cathode same gas same hydrogen) and ((fuel adj cell) same exhaust same gas same treatment)).clm.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 12:46 |
| S99 | 1          | ((cathode same gas same exhaust same hydrogen) and agitating).clm.                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 12:47 |

|          |      |   | •   |    |    |                  |
|----------|------|---|---|----|----|------------------|
| S10<br>0 | 1    | (cathode with exhaust with adjust\$5 with valve).clm.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 12:47 |
| S10<br>1 | 2    | (((air with split) same hydrogen) and (fuel adj<br>cell)).clm.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 12:48 |
| S10<br>2 | 16   | ((fuel adj cell) same exhaust same gas same treatment).clm.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 12:49 |
| S10<br>3 | 9    | ((cathode same gas same inlet same position) and (fuel adj cell)).clm.                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 13:10 |
| S10<br>4 |      | ((cathode same purge\$1 same hydrogen) and agitat\$4).clm.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 13:12 |
| S10<br>5 | 27   | (cathode same purge\$1 same hydrogen).clm.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 13:24 |
| S10<br>7 | 1030 | (dilut\$4 with hydrogen).clm.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 13:25 |
| S10<br>8 | 20   | (dilut\$4 with fuel with cell with hydrogen).clm.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 13:29 |
| S11<br>0 | 44   | pratt.in. and "429".clas.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 13:32 |
| S11<br>1 | . 12 | fukuma.in. and "429".clas.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 13:32 |
| S11<br>2 | 17   | (hydrogen with (concentration concentrated) with detector) and ((adjusting adjustment) with valve)        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 17:07 |
| S11<br>3 | 41   | (hydrogen same (concentration concentrated) same detector) and ((adjusting adjustment) with valve)        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 18:28 |
| S11<br>4 | 4    | (hydrogen adj4 (concentration concentrated)<br>adj5 detector) and ((adjusting adjustment)<br>near2 valve) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/10/30 17:15 |

| S11<br>5     | 12  | (hydrogen same (concentration concentrated) same detector) and controller and ((adjusting adjustment) near2 valve) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 17:15 |
|--------------|-----|--|---|------|----|------------------|
| S11<br>6     | 26  | (hydrogen same (concentration concentrated) same detector) and controller and ((adjusting adjustment) same valve)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 17:39 |
| S11<br>7     | 160 | (hydrogen same (concentration concentrated) same detector) and (controller same (valve adjustor))                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/31 16:57 |
| S11<br>8     | 38  | (hydrogen same (concentration concentrated) same detector) and (controller same (valve adjustor)) and linear       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 17:25 |
| S11<br>9     | 1   | (hydrogen same (concentration concentrated) same detector) and (controller same (valve adjustor) near4 linear)     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 17:22 |
| S12<br>0     | 5   | (hydrogen same diluti\$4) and (compressor same (flow same (regulating reglator) same (valve adjustor))) .          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 17:28 |
| S12<br>1     | 2   | (hydrogen same diluti\$4) and (compressor same (flow same (regulating reglator) same valve adjustor)) and linear   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 17:30 |
| S12<br>2     | 37  | (hydrogen same (concentration concentrated) same detector) and controller and 429/12-39. ccls.                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR · | ON | 2006/10/30 18:28 |
| S12<br>3     | 396 | (hydrogen same (purge purged)) and ((adjusting adjustment) same valve)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 17:40 |
| S12<br>4     | 22  | (hydrogen same (purge purged)) and<br>((adjusting adjustment) same valve) and ((duty<br>linear) same valve)        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 17:45 |
| <b>S12</b> 5 | 14  | 429/12-39.ccls. and ((adjusting adjustment) same valve) and ((duty linear) same valve)                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 17:48 |
| S12<br>6     | 7   | 429/12-39.ccls. and ((adjusting adjustment) same valve) and (duty same valve)                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 17:48 |
| S12<br>7     | 41  | (hydrogen same (concentration concentrated) same (indictor detector)) and ((adjusting adjustment) with valve)      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/30 18:28 |

| S12<br>8 | 44 | (hydrogen same (concentration concentrated) same (indicator detector)) and controller and 429/12-39.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/10/30 18:29 |
|----------|----|--|---|----|-----|------------------|
| S12<br>9 | 15 | (US-20040106021-\$ or US-20040072052-\$ or US-20040062975-\$ or US-20040013919-\$ or US-20020094469-\$).did. or (US-5198310-\$ or US-6869577-\$ or US-6124053-\$ or US-5462815-\$ or US-6916563-\$ or US-5543238-\$ or US-6426158-\$ or US-6124054-\$).did. or (JP-2004139815-\$ or JP-06288956-\$).did. | US-PGPUB;<br>USPAT;<br>JPO                  | OR | OFF | 2006/10/31 12:37 |
| S13<br>0 | 3  | S129 and (detector indicator) and (adjust\$9 with valve)   | US-PGPUB;<br>USPAT;<br>JPO                  | OR | OFF | 2006/10/31 12:38 |
| S13      | 2  | "jp 2002346786"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/10/31 13:36 |
| S13<br>2 | 3  | "2002346786"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/10/31 13:36 |
| S13<br>3 | 1  | "2002-346786"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/10/31 13:57 |
| S13<br>4 | 3  | (hydrogen with concentration with detector)<br>and (adjust\$5 with valve) and (dilution with<br>hydrogen)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/10/31 13:59 |
| S13<br>5 | 3  | (hydrogen with concentration with detector) and (adjust\$5 with valve) and (cathode with exhaust)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/10/31 14:05 |
| S13<br>6 | 4  | (hydrogen with concentration with (indicator detector)) and (adjust\$5 with valve) and (cathode with exhaust)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/10/31 14:08 |
| S13<br>7 | 0  | (hydrogen with concentration with (indicator detector)) and (adjust\$5 with valve) and ((cathode with exhaust) same combustor)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/10/31 14:09 |
| S13<br>8 | 4  | ("5462815"   "5763113"   "6103410"  <br>"6127056").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2006/10/31 14:13 |
| S13      | 6  | ("2002/0094469").URPN.   | USPAT                                       | OR | OFF | 2006/10/31 14:25 |
| S14<br>0 | 4  | ("6426158").URPN.  | USPAT                                       | OR | OFF | 2006/10/31 14:33 |
| S14<br>1 | 1  | (hydrogen same (concentration concentrated) same detector) and controller and (cathode near4 exhaust near5 (adjustor adjustment adjusting))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/10/31 16:59 |

| S14<br>2 | 0   | (hydrogen same (concentration concentrated) same detector) and controller and (cathode near4 off-gas near5 (adjustor adjustment adjusting))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR . | ON | 2006/10/31 16:59 |
|----------|-----|---|---|------|----|------------------|
| S14<br>3 | 0   | (hydrogen same (concentration concentrated) same detector) and controller and (cathode near4 offgas near5 (adjustor adjustment adjusting))    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/31 16:59 |
| S14<br>4 | . 0 | (hydrogen same (concentration concentrated) same detector) and controller and (cathode near4 off\$1gas near5 (adjustor adjustment adjusting)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/31 16:59 |
| S14<br>5 | 4   | controller and (cathode near4 off\$1gas near5 (adjustor adjustment adjusting))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ÓΝ | 2006/10/31 17:03 |
| S14<br>6 |     | controller and (cathode near4 exhaust near5 (adjustor adjustment adjusting))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/31 17:06 |
| S14<br>7 | 13  | (cathode near4 exhaust near5 (adjustor adjustment adjusting))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/31 17:13 |
| S14<br>8 | 172 | (cathode same exhaust same (adjustor adjustment adjusting))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/31 17:13 |
| S14<br>9 | 97  | ((cathode with exhaust) same (adjustor adjustment adjusting))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/31 17:13 |
| S15<br>0 | 44  | ((cathode with exhaust) same (adjustor adjustment adjusting) same valve)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR - | ON | 2006/10/31 17:14 |
| S15<br>1 | 8   | ((cathode with exhaust) same (adjustor adjustment adjusting) same controller same valve)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/31 17:14 |
| S15<br>2 | 2,  | "jp 2002289237"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/31 17:27 |
| S15<br>3 | 1   | "јр 3604613"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/31 17:28 |
| S15<br>5 | 7   | "6237336"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/11/11 16:49 |

| S15<br>6 | 0   | ((adjust\$5 adj valve) same controller) and (hydrogen adj dilut\$5) and (hydrogen adj detector)                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/11 16:50 |
|----------|-----|--|---|----|----|------------------|
| S15<br>7 | 0   | ((adjust\$5 adj valve) same control\$5) and (hydrogen adj dilut\$5) and (hydrogen adj detector)                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/11 16:51 |
| S15<br>8 | . 0 | ((adjust\$5 adj valve) same control\$5) and<br>dilut\$5 and (hydrogen adj detector)                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/11 16:52 |
| S15<br>9 | 14  | (valve same control\$5) and dilut\$5 and (hydrogen adj detector)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/11 17:01 |
| S16<br>0 | 68  | (valve same control\$5) and (dilut\$5 same gas) and (hydrogen adj (sensor indicator detector))                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/11 17:08 |
| S16<br>1 | 16  | (adjust\$5 same valve same control\$5) and (dilut\$5 same gas) and (hydrogen adj (sensor indicator detector))      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/11 17:02 |
| S16<br>2 | 7   | (valve same control\$5 same (dilut\$5 same gas)) and (hydrogen adj (sensor indicator detector))                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/11 17:10 |
| S16<br>3 | 20  | (valve same control\$5 same dilut\$5) and (hydrogen adj (sensor indicator detector))                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/11 17:19 |
| S16<br>4 | 56  | (valve same controller ) and (hydrogen adj<br>concentration adj (sensor indicator detector))                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/11 17:22 |
| S16<br>5 | 15  | (adjust\$5 same valve same controller ) and (hydrogen adj concentration adj (sensor indicator detector))           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/11 17:30 |
| S16<br>6 | 27  | (fuel with cell) and (controller same (hydrogen adj concentration adj (sensor indicator detector)))                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/11 17:38 |
| S16<br>7 | 5   | (fuel with cell) and (adjust\$5 same controller same (hydrogen adj concentration adj (sensor indicator detector))) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/11 17:31 |
| S16<br>8 | 53  | (fuel with cell) and (valve same (hydrogen adj<br>concentration adj (sensor indicator detector)))                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/11 17:38 |